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(71) 出願人 596151663

鶴川 重徳

神奈川県横浜市旭区万騎が原37番地 N-14

(72) 発明者 鶴川 重徳

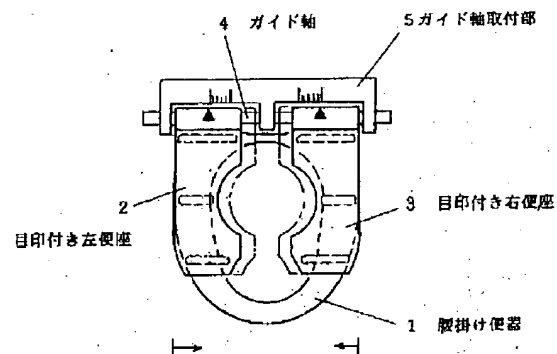
神奈川県横浜市旭区万騎が原37番地 N-14

(54) 【発明の名称】 便座の幅調整と便座の片側のみ使用できる2分割便座

(57) 【要約】

【課題】 子供から大人まで使用する便座は、お尻の小さい大人や女性や子供は、便座の穴に落ちたり嵌まり込んだりする場合があった。O型便座で男性のペニスが便座の縁に当たりやすく不衛生である。また、子供用には特別に作られた子供用便座を着脱するので、保管場所が必要であった。お尻にオデキや痔など傷病がある場合は、全体が便座に触れると痛い人はお尻を持ち上げていたりした。人が便座に腰掛ける場合、衛生的で着座不安と痛みの軽減できる、安心した着座姿勢で座れる便座にすること。

【解決手段】 子供から大人までの使用する便座を、2分割にして目印付き左右便座にする。お尻の寸法差に対しては、左右便座の位置を幅調整することにする。目印付き左右便座の形状は、近づけても男性のペニスが便座の縁に当たらない衛生的寸法で、2分割便座の強度を高めた便器に当たる便座の脚部は3箇所です。便座の一方を回転退避して片側のみで便座を使用すれば、お尻にオデキや痔など傷病がある場合は、痛みを軽減できる着座姿勢がとれる。



【特許請求の範囲】

【請求項1】 子供から大人までの使用する便座は、お尻の幅寸法差が大きい為、2分割にした目印付き左右便座とし便座幅を調整します。左右便座の幅位置調整は、左右の便座幅を寸法表示する目盛りの付いたガイド軸取付部(5)と、ガイド軸(4)を移動する目印付き左右便座(2、3)の目印を、便座幅の目盛りの目標位置に合わせます。目印付き左右便座(2、3)の形状は、便器が近づいた場合でも、男性のペニスが便座の縁に当たらない衛生的寸法で、2分割便座の強度を高める為に、便器(1)に当たる便座の脚部は3箇所です。お尻の傷病等で便座の片側のみ使用する場合は、移動した位置で便座の一方を回転退避ができる。衛生的で不安と痛みを軽減できる着座姿勢になれる2分割腰掛け便座。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、お尻の幅寸法差や症状に合わせて、目印付き左右便座の幅調整と個別に片側便座のみで使用できる2分割腰掛け便座。

【0002】

【従来の技術】従来の腰掛け便座は、一体成型品のO型やU型がありますが、便座の幅調整はできません。お尻の寸法差に対しては、数枚の異寸法便座があり寸法にあった便座を選んでいました。子供用には特別な子供用便座を便座の上に着脱していた。幅調整できる便座は、先端部が連結して、後ろで左右円弧移動して幅調整ができる便座。又は、便器の上に前後2本の案内ガイドが左右に置かれて、ガイドに左右の便座を乗せた幅位置の調整ができる洋式便器(例えば、実開平4-110596号公報参照)。又は、左右の便座にラックを取付けて、ピニオンで同時に開閉移動する幅位置の調整ができる洋式便器(例えば、特開平6-335435号公報参照)ですが、左右便座の片側のみで使用するものではありません。

【0003】

【発明が解決しようとする課題】従来の腰掛け便座は、一体成型品のO型やU型で大きさが決まっており、お尻の小さい大人や女性や子供が便座に落ちる不安や、O型便座の中穴に嵌まり抜けなかったりすることがあった。子供用には特別の子供用便座を便座の上に着脱していたため使用後の保管場所が必要であった。O型便座は男性のペニスが便座の縁に当たりやすく不衛生である。お尻にオデキや痔など傷病がある場合は、お尻全体が便座にあたる着座姿勢では、痛みで用便が困難である。

【0004】本発明は、子供から大人までの幅寸法の差異には、お尻の幅寸法に2分割便座左右に移動します。そのため異寸法便座の着脱や保管場所は不要となる。便座の縁に男性のペニスが当たらない衛生的形状にする。お尻にオデキや痔などの傷病で痛みがある場合は、便座の一方を回転退避して片側のみ便座を使用して痛みの軽減できる着座姿勢がとれる。子供・大人・男性・お尻に

傷病のある人も便座に腰掛けた場合に、安心した着座姿勢を得られます。

【0005】

【課題を解決するための手段】上記目的を達成するために、本発明の2分割便座では、目印付き左右便座はガイド軸で幅位置への移動と個別に回転退避ができる。

【0006】上記、便座の幅調整は、目印付き左右便座はガイド軸を移動して、ガイド軸取付部の目盛り寸法に合わせて位置をきめる。その位置で目印付き左右便座は、一方の便座を持ち上げて後ろに回転退避して、片側のみの便座が使用できます。

【0007】上記、ガイド軸を左右ネジ軸にすると、目印付き左右便座は左右ネジ軸の回転で、左右同時に移動して便座幅調整できます。また、左右ネジ軸の両端に目盛り付きハンドルを取付けると、簡単に正確な寸法に幅調整できます。さらに、左右ネジ軸と電動モーターを連結すると遠隔操作ができます。

【0008】

【発明の実施の形態】発明の実施の形態を実施例に基づき、図面を参照して説明する。目印付き左右便座(2、3)の形状は、近づいた場合でも便座の縁に男性のペニスが当たらない衛生的寸法です。片側のみで使用する時、分割した便座の強度を高める為に、便器(1)に当たる便座の脚部は3箇所です。

【0009】便座の幅調整は、目印付き左右便座(2、3)がガイド軸(4)を移動して、ガイド軸取付部(5)の目盛り寸法に合わせて位置をきめる。移動したその位置で便座の一方を回転退避して、片側のみの便座が使用できます。

【0010】または、ガイド軸(4)を左右ネジ軸(6)にすると、左右ネジ軸の回転により、同時に幅位置を調整できます。左右ネジ軸(6)に目盛り付きハンドル(7)を取付けると、より正確な寸法に幅調整ができます。さらに、左右ネジ軸(6)と電動モーター(8)を連結すると遠隔操作ができます。

【0011】

【実施例】上記、便座の幅調整は、目印付き左右便座(2、3)がガイド軸(4)を移動して、ガイド軸取付部(5)の目盛り寸法に合わせて便座の位置をきめる。

【0012】上記、ガイド軸(4)を左右ネジ軸(6)にすると、目印付き左右便座(2、3)は左右ネジ軸の回転により、同時に幅位置を調整できます。左右ネジ軸(6)に目盛り付きハンドル(7)を取付けると、より正確な寸法に幅調整ができます。さらに、左右ネジ軸(6)と電動モーター(8)を連結すると遠隔操作ができます。

【0013】上記、目印付き左右便座(2、3)は形状が左右対称のため、使い捨て紙製便座シート等は、1種類のサイズになります。

【0014】

【発明の効果】本発明は、以上説明したように構成されているので、以下に記載されるような効果を奏する。

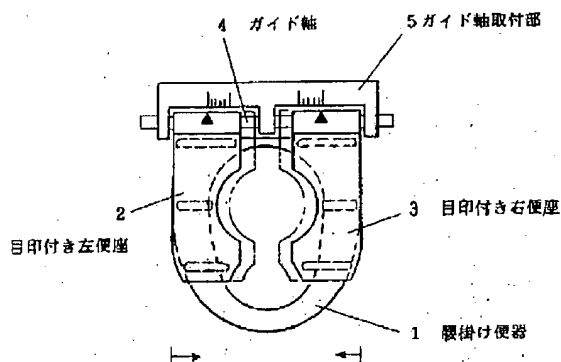
【0015】2分割便座の形状は、便座の縁に男性のペニスが当たらない衛生的寸法です。片側のみで使用する時、分割した便座の強度を高める為に便器に当たる便座の脚部を3箇所にしてあり安心して着座できる。

【0016】また、目印付き左右便座はお尻の寸法に合わせて幅調整できるので、O型便座のように中穴に落ちたり、はまり込むことがない。特に子供用便座を着脱する必要がない。そのために子供から大人まで安心した着座姿勢で便座に腰かけられる。さらに、左右ネジ軸と電動モーターを連結すれば遠隔操作ができます。

【0017】また、目印付き左右便座は片側のみで利用できるため、お尻にオデキや痔などの傷病で痛みがある場合は、痛みを軽減できる着座姿勢をとれる。

【0018】また、左右2分割便座は形状が左右対称のため、使い捨て紙製便座シート等は、1種類のサイズになり価格やコストが安くなります。

【図1】



【図面の簡単な説明】

【図1】2分割便座の平面図である

【図2】2分割便座の右側面図である

【図3】左右の便座の回転回避した時の平面図である

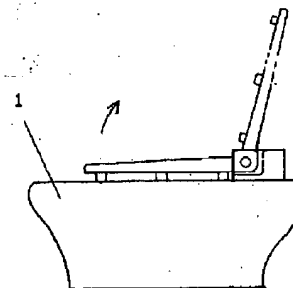
【図4】左右移動を左右ネジ軸に目盛り付きハンドルをつけた断面図

【図5】図4の左右ネジ軸に電動モーターをつけた断面図

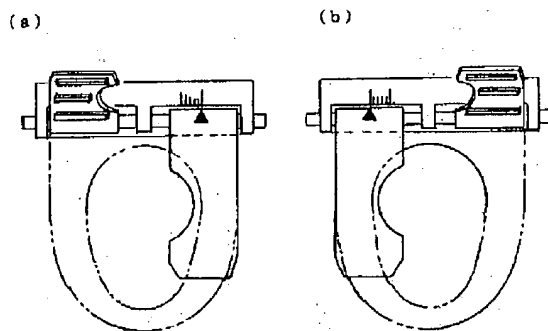
【符号の説明】

- 1 腰掛け便器
- 2 目印付き左便座
- 3 目印付き右便座
- 4 ガイド軸
- 5 ガイド軸取付部
- 6 左右ネジ軸
- 7 目盛り付きハンドル
- 8 電動モータ

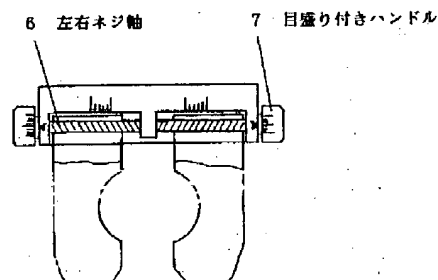
【図2】



【図3】



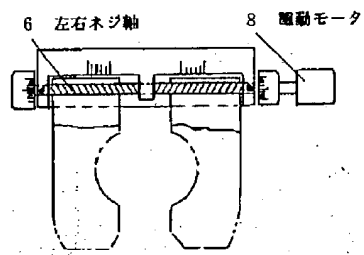
【図4】



(4)

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【図5】



PAT-NO: JP410085156A

DOCUMENT-IDENTIFIER: JP 10085156 A

TITLE: BISECTED TOILET SEAT ALLOWING WIDTH
ADJUSTMENT OF TOILET SEAT AND USE OF ONLY ONE SIDE OF
TOILET SEAT

PUBN-DATE: April 7, 1998

INVENTOR-INFORMATION:
NAME
TSURUKAWA, SHIGENORI

ASSIGNEE-INFORMATION:
NAME COUNTRY
TSURUKAWA SHIGENORI N/A

APPL-NO: JP08278524

APPL-DATE: September 12, 1996

INT-CL (IPC): A47K013/28

ABSTRACT:

PROBLEM TO BE SOLVED: To let a child, adult, a man or a person having injury or illness on the buttocks sit on a toilet seat with ease by adjusting the width of a bisected toilet seat corresponding to the scaling dimension of a guide shaft attaching part by moving the guide shaft of marked left and right toilet seats.

SOLUTION: The toilet seat usable from the child to the adult is bisected into marked left and right toilet seats 2 and 3. The width between the

positions of left and right toilet seats 2 and 3 is adjusted corresponding to the dimension difference of the buttocks by moving a guide shaft 4 and matching it the scaling dimension of a guide shaft attaching part 5. The marked left and right toilet seats are formed with sanitary dimensions so as not to touch the edge of the toilet seat with the male genitalia even when it makes closer, and the leg parts of the toilet seat to be abutted to the toilet seat improving the strength of bisected toilet seats are provided at three positions. When the toilet seat is used on only one side while rotationally saving one side of the toilet seat, a sitting posture for reducing pain can be taken when the users has sickness such as swelling or piles on the buttocks.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention is 2 division seat seat which can be used according to width-of-face adjustment and the individual of the right-and-left seat with a mark only by the single-sided seat according to the width-of-face variation of tolerance and the symptom of the hips.

[0002]

[Description of the Prior Art] Although the conventional seat seat really has O mold and U mold of a cast, width-of-face adjustment of the seat cannot be performed. To the variation of tolerance of the hips, the seat which there was the different dimension seat of several sheets and suited the dimension was chosen. The child stool seat special [for children] was detached and attached on the seat. The seat which can carry out width-of-face adjustment is the seat which a point connects, carries out right-and-left radii migration behind, and can perform width-of-face adjustment. Or the foreign style toilet bowl which can perform adjustment of the width-of-face location to which the guidance guide of two was placed by right and left on the toilet bowl approximately, and the seat on either side was put on the guide (for example, refer to JP,4-110596,U). Or a rack is attached in the seat on either side, and although it is the foreign style toilet bowl (for example, refer to JP,6-335435,A) as for which adjustment of a width-of-face location which carries out closing motion migration is made to coincidence in a pinion, there is nothing which is used only at one side of the right-and-left seat.

[0003]

[Problem(s) to be Solved by the Invention] Magnitude was really decided with O mold and U mold of a cast, and the conventional seat seat might get into the anxiety from which a small adult and a small woman, and child of the hips fall to the seat, and the inside hole of O mold seat, and it might not escape from it. Since the special child stool seat was detached and attached on the seat, the storage area after use was [for children] required. The male penis of O mold seat is easy to hit the edge of the seat and is insanitary. When sickness and wound, such as ODEKI and hemorrhoids, are in the hips, in the taking-a-seat posture in which the whole hips are equivalent to the seat, a stool is difficult with a pain.

[0004] This invention moves to the width-of-face dimension of the hips to 2 division seat right and left at the difference in the width-of-face dimension from a child to an adult. Therefore, attachment and detachment and the storage area of the different dimension seat become unnecessary. It is made the sanitary configuration to which a male penis is not equivalent to the edge of the seat. When a pain is in the hips by sickness and wound, such as ODEKI and hemorrhoids, the taking-a-seat posture in which rotation evacuation of one side of the seat is carried out, and only one side can mitigate a pain using the seat can be taken. When those who have sickness and wound in a child, an adult, a male, and the hips also sit on the seat, the relieved taking-a-seat posture can be acquired.

[0005]

[Means for Solving the Problem] In order to attain the above-mentioned purpose, in 2 division seat of this invention, the right-and-left seat with a mark can perform rotation evacuation according to migration in a width-of-face location, and an individual with a guide shaft.

[0006] The right-and-left seat with a mark moves a guide shaft, the above and width-of-face adjustment of the seat double with the graduation dimension of the guide shaft attachment section, and it is ***** about a location. The right-and-left seat with a mark raises one seat, carries out rotation evacuation and can use the seat of only one side for back in the location.

[0007] If a right-and-left screw shaft is set as the above and a guide shaft, the right-and-left seat with a mark is rotation of a right-and-left screw shaft, will move to right-and-left coincidence, and can carry out seat width-of-face adjustment. Moreover, if a handle with a graduation is attached in the both ends of a right-and-left screw shaft, width-of-face adjustment can be carried out simply at an exact dimension. Furthermore, remote operation will be possible if an electrical motor is connected with a right-and-left screw shaft.

[0008]

[Embodiment of the Invention] The gestalt of implementation of invention is explained with reference to a drawing based on an example. The configuration of the right-and-left seat with a mark (2 3) is the sanitary dimension to which a male penis is not equivalent to the edge of the seat, even when it approaches. When using it only at one side, in order to raise the reinforcement of the divided seat, the number of the legs of the seat which hits a toilet bowl (1) is three.

[0009] The right-and-left seat with a mark (2 3) moves a guide shaft (4), it doubles with the graduation dimension of the guide shaft attachment section (5), and width-of-face adjustment of the seat is ***** about a location. Rotation evacuation of one side of the seat is carried out in the moved location, and the seat of only one side can be used.

[0010] Or if a right-and-left screw shaft (6) is set as a guide shaft (4), rotation of a right-and-left screw shaft can adjust a width-of-face location to coincidence. If a handle with a graduation (7) is attached in a right-and-left screw shaft (6), width-of-face adjustment will be made to a more exact dimension. Furthermore, remote operation will be possible if an electrical motor (8) is connected with a right-and-left screw shaft (6).

[0011]

[Example] The right-and-left seat (2.3) with a mark moves a guide shaft (4), it doubles with the graduation dimension of the guide shaft attachment section (5), and the above and width-of-face adjustment of the seat are ***** about the location of the seat.

[0012] If a right-and-left screw shaft (6) is set as the above and a guide shaft (4), the right-and-left seat with a mark (2 3) can adjust a width-of-face location to coincidence by rotation of a right-and-left screw shaft. If a handle with a graduation (7) is attached in a right-and-left screw shaft (6), width-of-face adjustment will be made to a more exact dimension. Furthermore, remote operation will be possible if an electrical motor (8) is connected with a right-and-left screw shaft (6).

[0013] Since the configuration of the right-and-left seat with the above and a mark (2 3) is bilateral symmetry, the seat sheet made of disposable paper etc. becomes one kind of size.

[0014]

[Effect of the Invention] Since this invention is constituted as explained above, it does so effectiveness which is indicated below.

[0015] The configuration of 2 division seat is the sanitary dimension to which a male penis is not equivalent to the edge of the seat. When using it only at one side, in order to raise the reinforcement of the divided seat, the leg of the seat which hits a toilet bowl is made into three places, and it can sit down in comfort.

[0016] Moreover, since the right-and-left seat with a mark can carry out width-of-face adjustment according to the dimension of the hips, it does not fall to an inside hole like O mold seat, or does not fit in. It is not necessary to detach and attach especially a child stool seat. Therefore, the seat sits with the taking-a-seat posture about which both children and adults felt easy. Furthermore, remote operation will be possible if an electrical motor is connected with a right-and-left screw shaft.

[0017] Moreover, since it can be used only at one side, the right-and-left seat with a mark can take the taking-a-seat posture which can mitigate a pain, when a pain is in the hips by sickness and wound, such as ODEKI and hemorrhoids.

[0018] Moreover, since the configuration of the right-and-left 2 division seat is bilateral symmetry, the seat sheet made of disposable paper etc. becomes one kind of size, and a price and cost become cheap.

[Translation done.]

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the top view of 2 division seat.

[Drawing 2] It is the right side view of 2 division seat.

[Drawing 3] It is a top view when the seat on either side carries out rotation evacuation.

[Drawing 4] The sectional view which attached the handle with a graduation to the right-and-left screw shaft for right-and-left migration

[Drawing 5] The sectional view which attached the electrical motor to the right-and-left screw shaft of drawing 4

[Description of Notations]

1 Seat Toilet Bowl

2 Left Seat with Mark

3 Right Seat with Mark

4 Guide Shaft

5 Guide Shaft Attachment Section

6 Right-and-Left Screw Shaft

7 Handle with Graduation

8 Electric Motor

[Translation done.]